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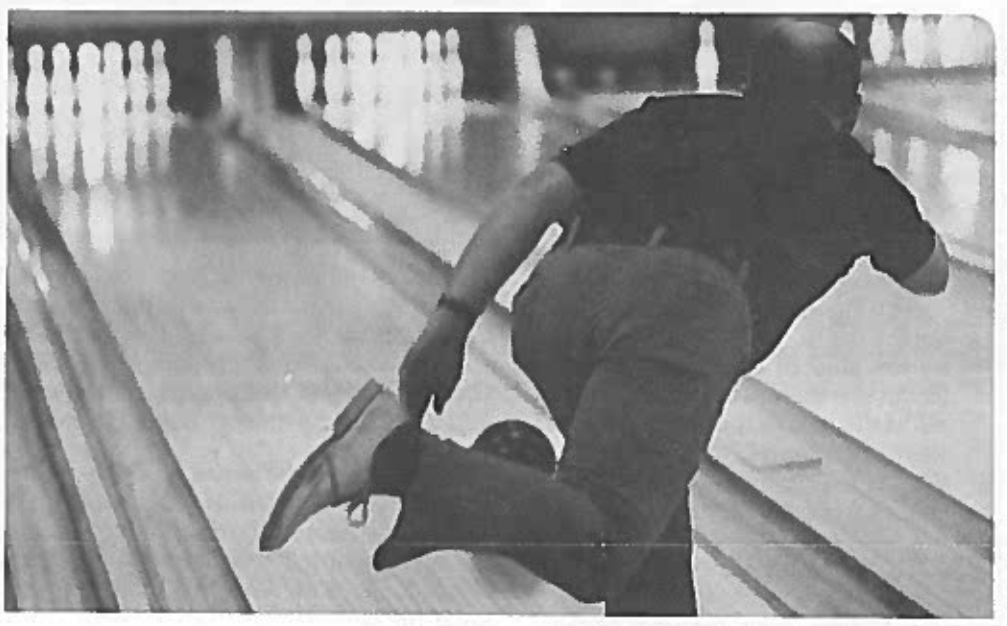

Own a piece of the action – support GAA

people

Bill Mann has been a Field Service representative for Grumman at Cherry Point, North Carolina, since 1965, and has been "moonlighting" all that time. During his 11 years at Cherry Point Bill has been serving the Boy Scouts of America after-hours, and his efforts were rewarded recently when he was presented the Silver Beaver award, the highest honor the Scouts can give for volunteer service.

Mann has been a cubmaster, assistant scoutmaster, advancement chairman, and finally, chairman of the Cherry Point/Havelock district BSA. He has organized a council camporee, and serves on both a council explorer committee and council executive board. More recently, Mann was also the advisor and organizer for the district's first co-ed explorer post.

And another Field Service rep, Dick Cronin, was saluted recently by the staff of the Commander of Naval Air Forces, Atlantic, for his efforts in provisioning the A-6 for fleet operational readiness during the 1974-76 period. Capt. Ray Barber, chief of staff to COMNAVAIRLANT, presented a letter of commendation to Cronin before the Grumman field rep went aboard the new nuclear carrier, USS Nimitz, for another assignment.

Project Sterling salute. Ground Test Instrumentation, which achieved a near-perfect measurement success rate of 99.8% over the last three years, was saluted with a Project Sterling group citation recently. Group head Will Pettit holds plaque and is flanked (at left) by Instrumentation head Gene Goltz and Flight Acceptance director Bob Smyth. Ground Test Instrumentation provides support to such areas as structural test, environmental test lab, wind tunnel testing, etc., and assist in the development, acceptance, qualification, and manufacturing testing of Grumman products.

Salute Herte

Len Herte of Grumman's West Coast office was feted recently by the Huntington Beach-Fountain Valley Ministerial Association for his charitable work in the community. The Servant of Christ Award presented to Herte was in recognition for his work with the St. Vincent de Paul Society, which provides food, shelter, transportation, medicine, and other types of assistance to people in need.

Thanks from India ...

Talk about jet lag. In November, George Lubin was invited as a guest lecturer by the Soviet National Academy of Sciences. Just recently, Lubin returned from India where he participated with three other Grumman Aerospace engineers—Bill Wolkowitz, Sam Dastin, and Pete Donohue—in an international conference on new fibers and composites. In a note to President George Skurla, Dr. A. Ramachandran, secretary of the Department of Science & Technology at New Delhi, thanked Grumman Aerospace for the services of Lubin, who served as keynote speaker for the conference on composites, Dastin, who discussed manufacturing technology, Wolkowitz, who talked on data generation and data banks, and Donohue, who spoke on destructive and non-destructive testing.

Stopover in Tehran

During his recent visit to Iran, George Skurla presented service pins to a number of Grummanites serving there. In the photo above, Skurla is shown with Vin DeStefano, a 15-year Grummanite who heads the Grumman Aerospace office in Tehran. It was a familiar setting for the Grumman President and Board Chairman—he presented the service-pin to DeStefano at the Tehran airport before he departed for the States. Earlier in Isfahan, Skurla spoke at a pin presentation for Dot Tveter (15 years), Gerry Manley (10 years), George Bean (25 years), and George Reuth (35 years).

Travelin' man ...

He's not called the travelling professor yet, but Dave Lang, general manager of Grumman Houston, may some day acquire that sobriquet. Lang returned a couple of weeks ago from Torrejon Air Base in Spain where he lectured on his favorite subject: Federal procurement. In the closing months of '75, Dave traveled to Anderson Air Force Base at Guam and to an Air Force installation in the Panama Canal Zone to speak on the same subject in his role as a visiting professor for Advanced Programs for the University of Oklahoma. The courses are prepared and delivered in cooperation with the U.S. Air Force.

Lang, who holds a Master of Arts in Public Administration, has held an appointment as a visiting professor since 1970. He lectures on Federal procurement, with emphasis on such subjects as the economic, social, and strategic impact of defense, space, and other major government procurement programs. The purpose of his talks is to provide an overview of the Federal marketplace, how it works, who are the players, the techniques and systems for contractor selection, contract negotiation, program management, and an examination of current problems and potentials for solutions such as design-to-cost, prototyping, incentives, etc. Lang should know his subject well—before coming to Grumman, he had about 20 years experience in government procurement, including logistic support and services, research and development, and major systems acquisition.

Appointments

Those who recently received changes in assignments were: DEPARTMENTAL OPERATIONS—Michael Calderone, project leader, VAST Ops.; Richard Manzo, project engineer, Test Design & Analysis, ATE Systems; Mario G. Boltri, manager, Project Management, Field Service; John R. Peronnet, manager, Design-To-Cost, Systems Technology. And in CALVERTON OPERATIONS—Gerard M. Maurer is appointed director, Program Management, along with his current position, Operations manager for EW programs.

Win 3 space contracts totaling over$7-million

On February 13, Board Chairman and President George Skurla announced that Grumman Aerospace had been awarded three research and development contracts totaling over $7-million. In announcing the awards, Skurla commented that he was pleased "to see our nation using the highly skilled engineers and technicians at Grumman Aerospace in its continuing efforts to maintain our superiority in space." These new contracts, which will involve the efforts of over 50 engineers and technicians, are part of the company's Space Programs, directed by Vice President Tom Kelly.

The largest contract, totaling $6.8-million, was awarded for the software development for a ground-based satellite attack warning system for the Space and Missile System Organization (SAMSO) of the U.S. Air Force in Los Angeles, California. Don Ingram will head the Grumman team.

The other two agreements amount to $280,000 and involve the development of techniques for manufacturing and assembling large structures in space. The Orbital Assembly contract awarded by the NASA Johnson Space Center in Houston, Texas, will be managed by Al Nathan. Al Alberi will direct the company's efforts in space-fabrication for the NASA Marshall Space Flight Center in Huntsville, Alabama.

According to Skurla, these new contracts, "have a significance far surpassing their initial dollar value. They are the basic building blocks required for the next generation of space systems we expect to see operating in the Nineteen Eighties."

According to Kelly, over the past three months Grumman Aerospace has been awarded four contracts in advanced infra-red sensor technology. These contracts are estimated at $3.5-million total value, Don Moyer is project leader in this area.

Arrival of Tomcat. It was a happy occasion at Khatami Air Base near Isfahan, Iran, when the first two Tomcats landed there on January 30. Shown here during the ceremony are (L to R standing) Col. Holadan; Brig. Gen. Abdul Minu Sepehr, Commander, 8th Tactical Fighter Base at Khatami; Brig. Gen. Nader Yousefi, Vice Deputy Commander of Operations, IIAF; Maj. Gen. Amir Rabii, Commander, IIAF Tactical Air Command; George Skurla, Chairman and President, Grumman Aerospace; Dick Barton, General Manager, F-14 Operations in Iran; and (kneeling) Tomcat pilots Maj. Iradj Khorram and Capt. Moe Farahavar.

Develop launch tests for Minuteman silos

For over five years the Minuteman Intercontinental Ballistics Missile System has been undergoing improvements that significantly increase its effectiveness. A major aspect of the continuing improvement program began last June when the Air Logistics Command Center at Hill Air Force Base, Ogden, Utah, awarded a $5.3 million contract for Product Support services to Grumman Aerospace to update and replace automatic maintenance equipment for the all-important launching system. The contract covers engineering services for interface hardware, test software (computer programming) development, and integration of Minuteman operational ground equipment (OGE) with Hewlett-Packard automatic test equipment. Joe Tinto is program manager and Al Eith, contract manager.

Each amazingly complex Minuteman facility has hundreds of units of ground equipment called "electronic drawers" installed in each launch control capsule. These are in constant use checking the launching mechanisms of the missiles. Each of these drawers in turn has several hundred vital components that must be tested. That adds up to a total of several hundred thousand different check-out points on all of the missiles, which are located at sites throughout the middle and northwest regions of the U.S. The task presented to Product Support's Automated Test Equipment (ATE) group was to come up with a faster and more efficient method of locating failures or malfunctions in the electronic drawers that, in turn, keep the missiles ready for a launch in case of attack on the U.S.

To develop this better method, Product Support established the Minuteman Automatic Test Capability (ATC) Program and began feasibility studies about two years before the contract was signed. The result: these studies so impressed the Air Force that it awarded Grumman Aerospace a contract as system integrator for development of automatic test capability with a cost-plus-incentive-fee (CPIF) agreement. An Interface Device (ID) developed by ATE, supports existing checkout equipment used for ground testing of the missiles because it serves as an electronic connection from the Hewlett-Packard test station to the electronic drawers that must be tested. Until this new capability is installed, many transistors and other parts of each electronic drawer have to be tested manually...and that can take many hours. Each drawer must be withdrawn

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Waiting for F-14. The entire Imperial Iranian Air Force contingent at Khatami was on hand for the arrival of the Grumman F-14 at the air base. Here, Vito Farinola (2nd R) of Grumman chats with IIAF personnel while waiting for the craft to land.

Tomcat inspection. Once the formalities were over, it didn't take long for General Rabii to climb into the front seat of the Tomcat, while General Minu Sepehr (L) and General Yousefi helped check out the new arrival.

GAA kicks off annual drive for dollars on March 1

The association's going to want your money soon. That's the Grumman Athletic Association, and your chance to add your support to GAA will be here in three days. That's right, the annual GAA drive starts Monday, March 1, and lasts until March 31. That gives you one month to take advantage of the GAA one dollar special: a membership card, an opportunity to shape up your spiritual and physical self, and a chance to win either a $100 Savings Bond or a set of Grumman glasses.

Subscribing to the GAA means supporting a list of sports, clubs, and activities longer than your list of excuses not to. The association offers everything from aikido to weightlifting, and if you don't find your interest listed, given GAA a call and start your own activity.

The GAA sponsors various clubs that give members a chance to discuss their common interests, argue their differences, enjoy each other's company, and share their ideas and opinions. For those interested in athletic events, lunchtime is the right time to become an intramural sportster. Of course, there are after-hours teams too.

GAA isn't all clubs and sports. There are tours to world-wide locations every year, ski trips, and discount tickets to Mets and Nets games. For the hobbyist, there are art, photo, hobby, and garden shows each year.

You might sign up for one of GAA's clinics where you can learn to golf, bowl, or play tennis. If you're out of shape, you could join GAA's physical fitness program, which began this past Tuesday.

Mike Cherry, director of this year's GAA drive, hopes for 100% success. That means getting one Federal Reserve Note from every Grumman employee. Participation in last year's drive reached 80%, the best yet. Cherry hopes that by making sure everyone is asked to buy, that final 20% will dwindle to nothing. You won't be paying an inflated price either, because a GAA card has cost one dollar for the past 29 years ... and that in itself is pretty amazing.

The proceeds from the GAA drive will not be used to sponsor Grumman varsity sports. Varsity activities—golf, bowling, tennis, basketball, and softball—are sponsored by corporate donations.

That membership card you're planning to buy is good for something else, like one hundred dollars. This year, $100 U.S. Savings Bonds will be awarded to 15 winners in the drawing. Fifty more GAA members will win sets of Grumman glasses. To be eligible, sign your name, department, and telephone extension on your ticket stub and return it to your department head. The drawing will be held at the Plant 30 cafeteria at 9:30 a.m., April 9. The results will be carried in the *Plane News* and announced over the PA system.

If you are not asked to buy a ticket, ask your department head for one, or call GAA at ext. 2133 or 2269. They'll be happy to sell you a card.

Remember, you have 31 days, between March 1 and 31, to become a part of GAA. One month to invest one dollar in an organization that keeps Grummanites healthy and happy. That's much cheaper than an apple a day.

Training dives. The GAC Dive Club, one of the many clubs sanctioned by GAA, offers its members a scuba training course that includes both classroom and pool instruction. Other Grumman clubs cover a variety of interests and offer their members the opportunity to exchange ideas and socialize.

Activities list

Club	Contact	Ext.
Aikido	Bob Bauman	84636
Bicycle	David Hartman	86212
Billiards, pocket	George Massey	84218
Campers	Vince Casano	86141
Chess	Pat Charoukine	9387
Coin (Bethpage)	Sam Koeppel	2377
Coin (Calverton)	Wally Kondratowicz	6777
Duplicate bridge	Hugh Montague	3863
Divers (Aquatic)	Andy Schlicter	6120
Fencing	George Kegney	86048
Flying	Larry Hahn	1916
Karate	Hy Dreksler	86812
Garden forum	Kay Zuk	3391
Model railroad	Dave Sharp	87452
Old Friends (OFC)	Andrew Messina	2574
Radio	Emmett Goodman	87125
Rod & Gun	Gene File	2983
Ski	Betty Stinson	86111
Table tennis	Frank Malone	7951
Stamp	Harold Potkewitz	1251
Toastmasters	Frank Locascio	3683
	Varsity Teams	
Bowling	Herb Mahoney	2133
Basketball (Men)	Walt Gleich	6304
Golf (Men)	Mike Cherry	2269
Golf (Women)	Roseanne Maglione	2743
Rifle	Hank Womble	1437
Softball (Men)	Jack Keane	1301
Softball (Women)	Jim Schwab	2036
Soccer	Scotty Mayors	2400
Tennis (Men)	Jay Leng	2239
Tennis (Women)	Rita Looney	2133

Tee clinic. One of the services offered to Grummanites by the Athletic Association is a series of golf clinics, conducted by GAA staffer Mike Cherry, who is also a PGA member. Here, Cherry is demonstrating correct grip to a participant in last year's clinic.

Develop launch tests

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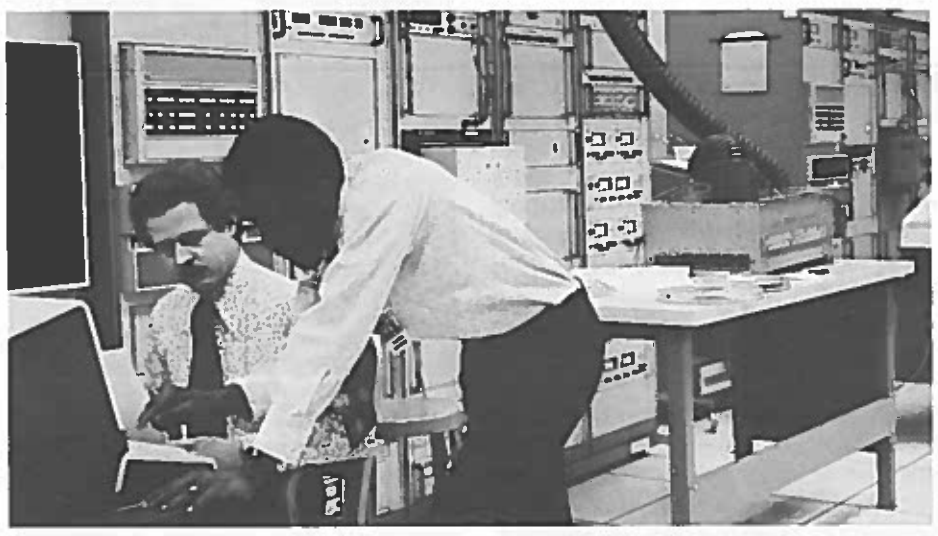
periodically and checked outside the mechanism to guard against failures while another drawer that has passed the test is inserted.

ATE is developing the software to be used with the interface devices. A test program stored on a "disc" directs the tests for each drawer and automatically prints out descriptions on a video display to indicate which module has failed. Hundreds of transistors, module cards, relays, and transformers can be checked, and faulty ones found and replaced, in a fraction of the time it used to take.

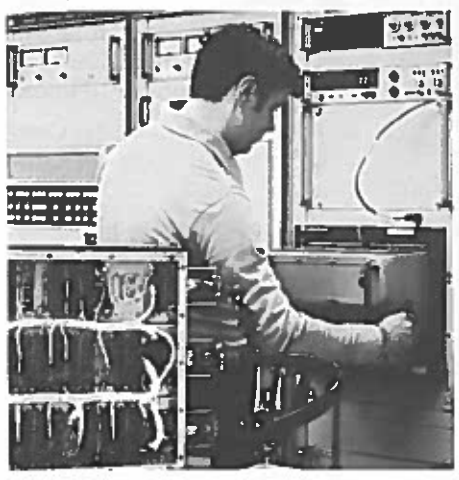
Project engineer Dick Manzo heads a group of 23 Support engineers who have been developing test programs since last June. The capabilities of the test programs are demonstrated by trying them with their associated hardware (the ID and H-P test station) in the Minuteman Development Laboratory, directed by Tom Pace in Plant 5. The engineers have shown that test time can be reduced from hours to minutes and that a 90 percent confidence level is achieved as opposed to only 40 percent with the earlier equipment.

Minuteman launching systems are constantly being tested just short of firing. With the aid of the new capability, they can be checked faster and with greater confidence and reliability. According to Tinto, it's like checking out everyting in a car without starting the engine. "What we're doing is checking out the equipment that checks the engine." He adds that the program is slightly ahead of schedule, "...because of the help we've gotten from the engineering-test design team, and the Plant 5 prototype labs that fabricated several interface devices faster than we expected."

The contract calls for a two-year engineering and development period, which is now well underway. Production of 300 IDs (as well as cabinets and program discs) will begin in Plant 43 after the Air Force approves the design of the first 30 IDs. Although the equipment is not yet in production or installed and in use at the sites, the work accomplished by the Support team has already proved an invaluable means of keeping the country's major strategic defense system the most dependable in the world.



Developing software. In the Minuteman Development laboratory, Support engineers Bill Nicholson (seated) and Rudy Barrow, study video display dictated by Grumman-developed test program disc. Lab technician Frank Wenke (below L) connects a Grumman ID to a H-P test station panel. Behind him on the table is an electronic drawer, the unit under testing. Al Ledereich (below R) watches video display as he uses keyboard control for making changes in the computer program. (Photos by Fred Annette)



Best on JFK. Cdr. N.B. 'Crash' Nash (L), commanding officer of VAQ-133, receives 'Golden Tailhook' award from Air Wing One skipper, Cdr. Dwight Timm, during deployment to Mediterranean.

Wizards draw Navy praise

You don't have to delve too deeply into the history of EA-6B squadron VAQ-133 to discover why they're called the Wizards. A quick glance of VAQ-133's performance during the recent deployment to the Mediterranean aboard the USS John F. Kennedy is all that's needed.

Under commanding officer Cdr. N.B. "Crash" Nash, the Wizards were awarded the "Golden Tailhook" Award which is presented to the squadron that demonstrates the greatest efficiency in carrier landings. That marks the second consecutive "Golden Tailhook" presentation to VAQ-133.

It was also the second consecutive time the Wizards earned the Chief of Naval Operations Aviation Safety Award. The latest honor was for fiscal year 1975, in which the Prowler squadron flew over 1,700 accident-free flight hours.

The Wizard crew members kept up the pace during the first quarter of FY'76 as they flew a record 700 hours. Each month of operations aboard the "Big John" has been a "200-plus" month with September being a record in itself with 259 flight hours.

During a mid-cruise corrosion inspection, Cdr. John Senape, head of AirLant inspection group, gave the Wizards' corrosion-control team a grade of "outstanding"—the only time he has given such a grade. Capt. William Gureck, commanding officer of the JFK, described the Wizard team as the best he had seen anywhere, anytime.

Honors were also bestowed on individual members of VAQ-133 during the seven-month deployment. Lt. Dana McKinney became the fourth EA-6B pilot to log 1,000 Prowler flight hours. Since he became a Wizard in August '72, he has logged 190-day and 74-night arrested landings and "never experienced a major emergency in the Grumman-built aircraft."

And, when the JFK marked its 80,000th arrested landing, what squadron's plane made the historic landing? You guessed it—Lt. Gary Willis, flying with Lt. Jeff Harris and Lt. Cdr. Des Coffee, piloted the Prowler on another Wizard record-breaker.

Career milestone. Grumman Field Service rep Roy Robinson (L) presents Lt. Dana McKinney a plaque commemorating his attaining 1,000 flight hours in the EA-6B Prowler.

Women using on-the-job training to shape new careers

To a dozen women in Plant 58, "Cincinnati" now means more than a town in Ohio, and "MOPS" isn't just another method of cleaning the floor. These women have become numerical-control machine operators through on-the-job training at the Grumman facility in Sterling, Va.

Genora Shoemaker claims that on-the-job training "is a great opportunity for a woman to enter manufacturing." Adds co-worker Sandy Kuznear, "It isn't often that you find a company offering on-the-job training."

On-the-job training is not new to the Sterling plant. Since the plant opened in 1968, "many of our job openings have been filled through this 'train while you work' system," points out plant manager John Otterstedt.

Prior to 1973, when the first women trainees in n/c machine operations were brought on board, Plant 58 production was an all-male world. Ninety-five percent of the facility's work deals with the F-14 program—and a large portion of that is titanium structural parts. When the production rate was scheduled to increase in late '73, Plant 58 advertised for n/c machine operators.

Several of the applicants were women. According to Otterstedt, "instead of asking 'why', we found ourselves saying 'why not' hire females."

When the first women trainees were hired, there were no adjustments in the work load or training process, says Otterstedt. According to Genora Shoemaker, one of the first three women n/c machine operators: "We don't get 'special treatment.' I don't expect anyone to 'baby' me. If I earn the same wages as the men, I expect the same treatment."

At Sterling, the training program follows the buddy-system format. The keyman or the leadman works side-by-side with the new employee for the first few days until he or she learns the fundamentals of operating the numerical control panel.

To a newcomer, these first days in manufacturing can produce a lot of self-doubts. "The first few days on the job, I wasn't sure I'd make the grade," recalls Kay Hershberg. "When I saw all the dials and the size of the machines, I certainly had my doubts. But within a month, I knew I could do the same job as the men."

After they acquire a basic understanding of machine operations, the women participate in several classroom seminars to increase their knowledge of measurement and reading of the Manufacturing Operations Procedures (MOPS). "I was anxious to apply the 'book knowledge' to my job back on the shop floor," says Jane Dailey.

As the women machine operators gained experience, their confidence grew. "Thanks to the step-by-step approach," comments Linda Dodson, a former cosmetician and receptionist, "my nervousness disappeared. ... I became more confident and comfortable around the machine." Kuznear, who began in March '74, comments: "I think everyone is a bit leery in the beginning, but after the first month, I knew I would eventually stack up to anyone working the machines—man or woman."

All of the women machinists attribute their confidence-building to the cooperation and guidance from their leadmen, keymen, and more experienced fellow workers. Says Hershberg, "I've become more confident as the months go by, and on occasion have had an opportunity to work on the larger machines ... something I thought during my first weeks that I'd never go near, let alone operate."

Just as the women were a little apprehensive about their opening performance in the manufacturing theatre, their male co-workers had their own reservations. But, as the women began to demonstrate their adeptness and "can do" attitude, this apprehension also disappeared.

Night shift. While working the 5:30 p.m. to 2 a.m. shift at Plant 58, Jane Dailey, a former office manager, follows Manufacturing Operations Procedures (MOPS) as she prepares to measure cutter on numerical control machine. At right, her co-worker Linda Dodson, installs the numerical control tape in the machine's console.

Says Otterstedt, "The others realized that the women could do the job just as well as they could, but some pointed out that the women were only working the smaller n/c machines." Eventually, the more experienced female operators began working on the larger "Cincinnati" and skin mill machines.

Found their niche

General consensus of the women n/c operators at Sterling is that they have found their niche in the manufacturing world.

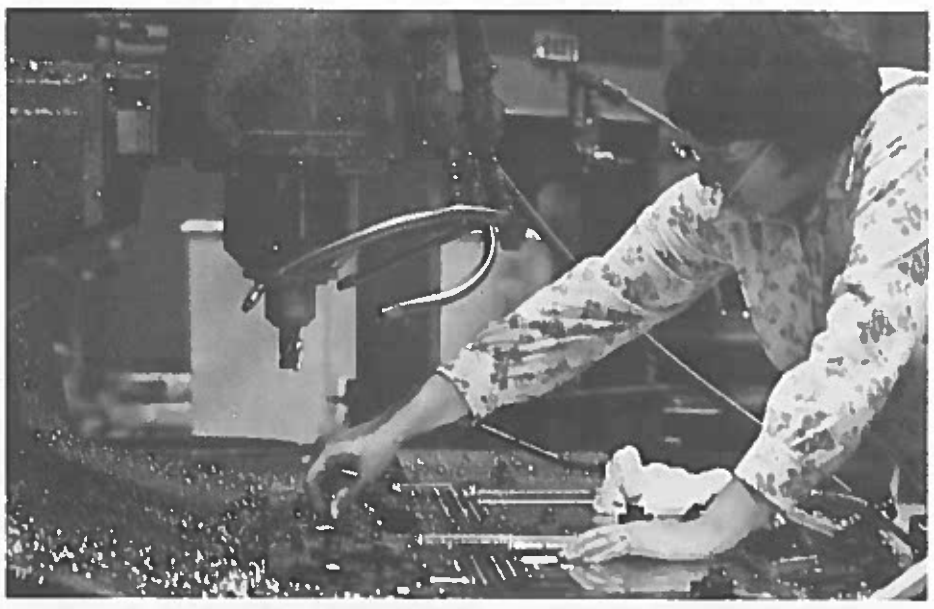
Former meatpacker and gas station attendant Linda Riley quips: "Operating a numerical-control machine beats packing porkchops." Linda likes the independence and the feeling of self-achievement she gets from her job. Her career at Grumman was slightly delayed a year ago. She took a leave of absence to give birth to a bouncing baby boy. Upon returning to Plant 58, she did have reservations about whether or not she would remember all she'd learned, "but I got right back in the swing of things—in no time."

To many, the new occupation offers a welcome change of pace from their former jobs. "I like the solitude and the feeling of independence—with help just a call away," says Jane Dailey, recent hiree on the night shift and former office manager who dealt with the public over-the-counter.

The women make a point of stating that this type of job is not for everyone—man or woman. "It depends on the woman," remarks Genora Shoemaker. "It's hard work, plenty of things to learn, and you shouldn't mind getting dirty." Sandy Kuznear is one such woman who fits that slot. "I just can't picture myself working behind a desk in an office."

On-the-job training continues to be an on-going program at Sterling. One n/c machine operator, Nicole Staley, has become a Quality Control inspector via a training program.

Just as on-the-job training is not new to Plant 58, women in Grumman manufacturing is also not a revolutionary idea. During World War II, over 33 percent of the workforce were women—and they played an important role in placing the company's name in the all-time wartime production record books.



On-the-job training. Linda Riley joined Grumman two years ago. Since then, the former meat packer and gas station attendant has become a numerical control machine operator. Quips Linda: 'It sure beats packing porkchops.'

Tip for good health– stay in touch

Have you ever wondered how many patient visits are logged each year by the Medical Department at Grumman? Would you say maybe a thousand visits a week? To be closer, you would have to home in on about 13,000 visits a month. So many people seeking help and advice are a tribute to the concern and the care shown by Dr. Robert Jessup and the staff of the Grumman Medical Department.

A future Grummanite meets the Medical Department for the first time during the pre-employment physical. An examination of an employee's medical history and testing of eyes, ears, heart, blood, and urine plus a lung X-ray provide a reliable health profile for the examining physician. Such evidence can indicate whether a prospective employee has the necessary physical qualifications for a particular job. Should an undesirable degree of color blindness be revealed, for example, a person would not be detailed to do wiring where accurate color identification is needed. Dr. Jessup sums up the purpose of the physical when he says, "It keeps people from harming themselves or others."

The Medical Department is always involved in testing special groups of employees. Those who work on projects connected with radiation have medical exams every six months, while others who handle potentially toxic metals, such as beryllium, are examined every three months. Yearly tests are needed for pilots, people who work in the control tower, technicians who go up in a plane to test flight equipment, and truck drivers who require annual certificates demanded by the Interstate Commerce Commission.

Mary Gise, Supervisor of Nurses at Grumman, says that people see a nurse if they feel they have a medical problem. When a person seeks help soon enough, she points out, there is time to treat a problem in its early stages, that benefits the worker, the company and his or her family

Emotional problems that come from the stress of day-to-day living are becoming more prevalent throughout industry and the department has specialized information on hand so that it can refer an employee to the right agency or clinic. And, Dr. Jessup stresses, no one should feel that his or her job might be in jeopardy by going to the health office with a personal medical question. As a matter of fact, Jessup described his sentiments this way: "Most of our people have a feel for what we do in Medical. They know the department is here to help and protect them."

In addition to counseling, the department promotes health education through films that demonstrate the techniques of cancer detection and pamphlets that discuss health topics. According to the medical staff, literature on such subjects as diabetes, diet control, cholesterol, and blood pressure are very popular and must be constantly replaced.

Individual counseling, of course, is still the most effective. Dr. Jessup feels this is the best type of instruction, since it is direct, personal, and individually tailored to a particular person's needs.

Eye on safety, too

Another important task of the department at Grumman is to provide medical surveillance for the Occupational Safety and Health Administration (OSHA), an agency of the U.S. Labor Department. The agency, which is charged with protecting employees against work-related injury or illness, polices industry to enforce Federal safety regulations and has the power to fine or bring litigation against a business that fails to comply. The standards it adopts come from recommendations of the National Institute for Occupational Safety and Health (NIOSH). NIOSH, which does the research work, is a subdivision of the Department of Health, Education and Welfare.

Dr. Roy Fagin, who administers the OSHA requirements at Grumman, says that, "Due to new social thinking, a corporation can no longer be an anonymous being. Today, a corporation must have a social conscience and be concerned with the social aspects of the world around it, including the workers and the community in which it resides."

Workers exposed to such potential dangers as toxic chemicals and minerals and radiation are examined periodically, even as much as every three months, under Dr. Fagin's direction. A record of an employee's non-work related illnesses must be kept so that the physician can judge whether any future sickness is industry related. A key point of the OSHA program is that a company must inform a worker of the hazards of an area so he or she can take precautionary measures for self-protection.

Family clearance

Since the sale of 80 F-14 Tomcats to Iran, the Medical Department has been busy preparing about 250 Grumman families to live and work there. Each family member gets clearance from the Medical Department before making the trip. Dr. Vincent Gallagher, who heads the Iran medical project, says: "The medical exam is a thorough physical to determine whether an individual is healthy enough to travel to and live in a foreign country."

The preparations for sending so many to Iran made tremendous demands on the department. Besides the medical exams, people had to have an updating of vaccine shots to

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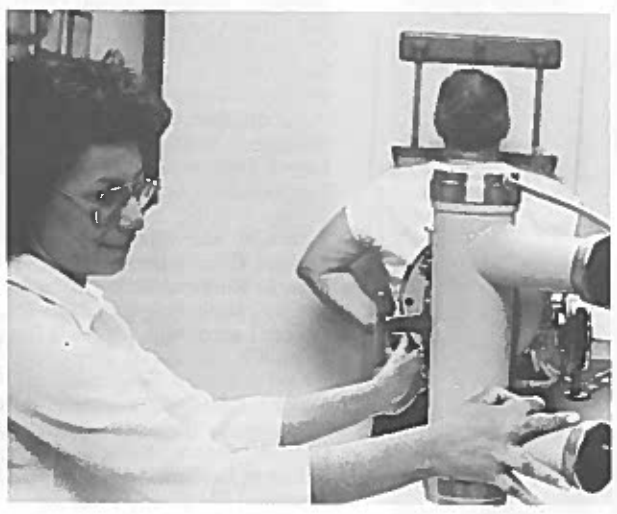
Medical advice. Dr. Robert Jessup, Grumman Medical director, chats with patient in his office in Plant 28. Medical has more than 20 First Aid stations located in company facilities that offer service in emergencies or illness. (Photos by Richie Breunig)

Ada Colter, assistant supervisor of nurses, examines patient's eye for foreign matter.



Barbara Wise, an X-ray technician, prepares to take pre-employment X-ray of new employee.

Tex Jackson, an X-ray technician, examines photograph before sending it to radiologist for reading.

service milestones

B.J. Picone

C.A. Duff

L.J. Napolitano

T.J. Kelly

G.J. Pinelli

W.F. Kowalski

O. Felser

C.S. Maciarz

B. Preisler

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R.C. LaFantano

E. Kusko

L. Bubeck

G. Laduzinski

E.T. McGreevy

A. Andrews

R.J. Cessario

A.W. MacMillan

T.C. Thompson

G.J. Rogers

R.B. Englert

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Hilbert G. Hagland, Press (2)
George Sechko, Stockrooms (2)
Jerome Barfus, M.E. Mgmt/Stf. (2)
Peter G. Bernard, Fuselage Assy. (3)
Sidney G. Higbie, Prod. Plt.—Mgmt. & Stf. (3)
Robert F. Flathman, Plt. 14/26—Inst. Mgmt. & Stf. (6)
Arthur J. Stone, Maint. Indust. Control (12)
Milton A. Radimer, Ind. Engg.—Sched. & Status (25)
Joseph N. Wittko, Power Plant Des. (25)
Charles J. Vaclavik, Receiving Insp. (44)

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Benjamin Stutz, Major Assy. (1)
Anthony T. Natale, Fuse Fwd. Sub. & Maj. (1)
Frank A. Coveney, Alodine (2)
Howard A. Rooney, Marshalling & Fin. Tl. Cont. (2)
Frank V. Kaprinski, Honeycomb Core Det. (3)
Lawrence G. Kosby Jr., Final Assy. (5)
Gerald J. Hehir, Sub-Assy. Maj. (5)
Charles V. Saurman, Environ. Ctrl. & Tes. (5)
Joseph DiStefano, Ctr. Sect-Sub-Assy. (27)
John King, Fuselage Joining (27)
John A. Markowski Jr., Food Service (36)
Stanley J. Pancir, Mech/Struct. Fluid Lab. (43)
Herbert G. Birnn, Tech. Ops. (77)

25

Bernard J. Picone, Prototype (1)
Charles A. Duff, Sub-Assy. Major (1)
Louis J. Napolitano, Fuselage Assy. (1)
Thomas J. Kelly, Fuselage Joining (1)
Gene J. Pinelli, Fluid Power (1)
Walter F. Kowalski, Small Parts Fab. (2)
Otto Felser, Cadmium Plate (2)
Charles S. Maciarz, Spotweld (2)
Joseph Anziano, Steel Parts Assy. (2)
Wesley C. VanDyke, Hydraulics (2)
Benjamin Preisler, EBW Mach. (2)
William F. Wolffer, Tool Control (2)
Jerry J. Swihun, Central Setup Area (2)
Pasquale DeLilla, Dispatching (2)
Charles B. Kipp, Maint-Rearrangement (2)
Arthur W. MacMillan, Stockrooms (2)
Richard C. LaFantano, Alodine (3)
Edward Kusko, Alodine (3)
Louis Bubeck, Fuselage Assy. (3)
George Laduzinski, Methods Engg. (3)
Eugene T. McGreevy, Insp-Mech. (3)
Alfred Andrews, Insp-Mech. (3)
Rocco J. Cessario, Sys. Tech/Flt. Integ. (4)
Theodore C. Thompson, Structural Des. (4)
Gordon J. Rogers, Environ. Ctrl. & Test (5)
Robert B. Englert, Advanced A/C Sys. (5)
Raymond E. Jeffrey, Fluids (6)
Harold E. Clareen, Structures (6)
Robert E. Rehm, Support (6)
Fred P. Facardi, Maint-Rearrangement (12)
Jack Brandi, Tech. Req. (15)
Michael A. Strazay Sr., P/S Site Supply Mgmt. (15)
Charles Gemuendt Jr., Property Disposition (17)
Thomas F. Mulligan, Rec-Insp-Plng/Methods (24)
John M. Rigsby, Crew Sys. (25)
Kurt Schroer, Maint-Facl. Equip. & Gen. (27)
Walter D. Moule, Insp-Mech. (27)
Jack Krupnick, Personnel Admin. (28)
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Richard W. Barthelme, Land. Gear Carrier Suit. (35)
Genevieve Dellysse, Personnel & Sal. Admin. (35)
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Gerard V. White, Elect. Liaison Engg. (43)
Harry A. Colli, Maint. Admin. (44)
Lawrence A. Jesberger, Mfg. Supervision (44)
John J. Costanzo, Kit Disbursement (44)
Harry A. Bush, Invent. Mgt. (44)
Frank Apa Jr., F-14 Final Assy. (77)
Theodore Barbuto, Front Section (77)
John R. Seadon, Tool Eng. (77)

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Pedrito Walters, Fuselage Assy. (1)
Frank Genova, Stockrooms (1)
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Paul T. Bartolo, Conv. Mach. (3)
John P. Stewart, Parts Paint (3)
John Sidorski, Honeycomb Prefit (3)
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Arthur J. Young, Prod. Rel. & Analy. (3)
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Jacob S. Domalewski, Flt. Dev/Ops. (4)
John J. Bardenhagen, Prod. Plt. - Mgmt. & Stf. (4)
Walter Kohlhoff, Air Breathing Prop. (4)
James Brown, Maint-Facl. Equip. & Gen. (5)
Nicholas F. Dannenhoffer, Advanced A/C Sys. (5)
Richard G. Cleary, Advanced A/C Sys. (5)
John E. Conover, Motivation Prog. (5)
David P. Detlefsen, CMS Training-Iran
Patrick T. Jennings, Structures (6)
Charles H. Hoffmeister, Structures (6)
William G. Roche, Elect. Bench Assy. (6)
Joseph Molinaro, Elect. Bench Assy. (6)
Anthony J. Rizzi, Mach. Shop (6)
Karl H. Thoma, Presentation Serv. (7)
Edward Harrison, Avionics Dev. (7)
William T. Flatley, Elect. Lab. Mgmt. (7)
Walter J. Steiges, Air Traffic & Radio Comm. (7)
Frank E. Carlin, Mfg. Insp. Elect. (7)
Harold F. Sanders Jr., Chem. Engg. & Process Stand. (12)
Arthur O. Baldwin, Trans-Equip. Maint. (20)
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Roald L. Larsen, Central Receiving (24)
William R. Sheerin, PPO—Space (25)
Nils R. Tegner, Structural Des. (25)
William P. Paulik Jr., Configuration Data Mgmt. (25)

William H. Kammann, Fuselage Joining (27)
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Jean G. Pailet, Section Administration (35)
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Robert Albert, Prod. Control (43)
William P. English, Base Supply Office (60)
Clarence W. L'Hommedieu, F-14 Final Assy. (77)

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Ralph R. Bimonte, Repro Serv. (1)
Donald Zaleski, P/S Elect. Engg. (2)
Kenneth W. Payne Jr., E.B. Weld (2)
Alan P. Tyler, A/C Prog. (4)
Frank F. Mancilla, Insp-Elect. (4)
Maurice R. Horn, P/S Sys. Tech. Proj. Mgmt. (5)
Clifford P. Dugan, Instr. Test (6)
George Dreimann, Fluids (6)
Donald J. Dinger, Structures (6)
Raymond H. Diem, Prod. Deputy & Sta. Foreman (6)
Robert A. Latour, Flt. Avionics (8)
Harold M. Morse, Meas. Stand. Lab. (12)
Howard C. Ahders, Ops. Software Dev. (14)
Louis Appleman, P/S RF & Video Engg. (15)
Charles A. Catalano, Tech. Req. (15)
Duncan E. Karcher, Stabil. & Control Equip. (15)
Harry Saul, P/S Tech. Writing (15)
William O. Wolf, Plant Protection (18)
George F. Pflugel, Structural Des. (25)
George W. Lind, Air Breathing Prop. (25)
John LaPorta, Mass Prop. Consol. & Control (25)
Wesley T. Johnson, Weight Optim. & Tech. Dev. (25)
Carl F. Wright, Gen. Commodities (30)
Anne L. Skean, P/S Cust. Orders & Rec. (30)
Norman N. Christensen, P/S Tech. Writing (34)
Scott J. Goebel, P/S Pubs. Control (34)
Kenneth F. McSweeney, P/S Prog. Mgmt. (35)
Joseph A. Burkowsky, P/S Comp. Sys. (35)
Norman H. Niederman, Computer Des. (35)
Joseph S. Ramienski, QC Qual. Engg. (35)
Eugene N. Stern, P/S Equip. Tech. Mgmt. (40)
Alfred W. Engelhardt, GSFC-Mission Ops. (84)
Joseph J. Miglionico, Production (88)
Edward J. Campbell, Production (88)

Looking back at 1951 ...

Twenty-five years ago, *Plane News* carried a heading compelling readers to "Buy War Bonds." The Korean war was on the minds of most Grummanites; many workers were being called to service by Uncle Sam. Those that weren't were working overtime to keep production going on the Grumman Panther, America's number one Navy fighter during the war. The Grumman Albatross amphibian was making waves, too, and was featured on national television for its rescue feats. The water-landing aircraft was spotlighted on the Kate Smith Show, Ed Sullivan, and Tex and Jinx.

Grumman wasn't quite as big in those days, but it was getting there fast. In February, 1951, the runway at Bethpage was being enlarged by 1,200 feet. In order to finish construction, old South Oyster Bay Road was closed, and the "new" main gate off route 107 was built.

In 1951, Cafeteria prices were 25 years cheaper. A typical menu for the week featured tasty meals at tiny prices: baked spaghetti and cheese — 40c; mother's fried chicken — 65c; pork and beans — 10c; and, of course, a cup of coffee was a nickel.

Twenty-five years is a long time, but Grumman—and Grumman employees—have made it through the years by looking ahead. After all, someday February, 1976, is going to be "twenty-five years ago."

GRUMMAN plane news

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Last call

All hardware design engineers interested in attaining a Masters degree in engineering are reminded that the latest date to fill out an application form for the Grumman Masters Fellowship Program is Monday, March 1. Up to five fellowships will be awarded in March.

This program allows a Fellow two years in which to complete the Masters degree requirements at a local university. During the academic year, the graduate student works a minimum of three days a week and is permitted to take off up to two days a week without pay for school work. Benefits include full tuition, books, fees, and a $1,200 yearly stipend, plus a $600 stipend for each dependent.

Contact the Fellowship Office, Ext. 2682, for more details.

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H.E. Clareen

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J.R. Seadon

Bocce in February? As you can tell from the group's attire, the Plant 25 bocce league completed its season during Indian summer last September. League commissioner Frank Malone (front row L) reports the season was a great success and predicts this year's competition will be even keener. Though we're a little late in recognizing the Plant 25 bocce league members, Senior Vice President John O'Brien was on hand in September to congratulate the players.

Capiello spills pins for 287

On the road to experiencing a near-perfect bowling score, the pressures and excitement can sometimes become unbearable. That's what happened to Sal Capiello, when he spilled the pins for a 287—the highest pinfall registered thus far this season in GAA-sanctioned leagues. "I could hardly wait until the game was over," recalls the Classified league kegler, "though now, I wouldn't mind repeating the performance. But during the game, I wished every strike was my last frame."

An inventory planner in Plant 30 for the last four years, Sal opened

Sal Capiello

his assault on the pins with a spare ("Everyone said I was robbed.") Then, for the next ten attempts he proceeded to knock down all the pins. "The pressure and excitement began to mount with each strike ... I wasn't used to the crowds, the applause, and all the excitement," says the kegler who is in his first year with a Grumman league and is averaging 170. "it was unbelievable—I don't see how top-notch professional bowlers can stand it."

But, Sal eventually bowled through the "ordeal" and reaped the ecstasy of triumph. "After all that, I certainly came back down to earth, back to reality. In my next game I rolled a 166. ..."

Week after week on the E-2C Hawkeye Mixed alleys, the men's high series honor has switched hands. Harry Weir by rolling 227 erased Ed McCue's mark of 226. The record didn't stand long before Ted Lindblad put his name on the books with a 234-603 series. One week later, Bob Burtis fired 243-629. Barbara Callahan, though, continues to hold the women's high game and series with 201-557.

'200' club

The Masters league should change its name to the '200' club. Ed Hilbert rolled a 212-200-225-836 four-game series recently, thus outshining the performances of Dick Spalding, 214-215-200-801, and Don Eivers, 222-228-806. In another outing, Fred Skirde punished the pins for 225-226-210-810. Record holders are Jack Nielsen (892); and Joe Gentile and Sid Kaufman, both with 258.

Although the Castaways—Howie Solof, Chris Williams, Ed Waesche, and Mel Sendrovitz—set a new Rocket league mark for high team series, 2,270, the keglers still lost two games to the first place Ballbenders who shot 2,263.

Plawski's the name

Ben Plawski's name keeps appearing as the "Top Bowler of the Week" in the Friday Night Pubs Mixed action report. He's not only top bowler of the month, but if he keeps up the pace he'll definitely grab Bowler of the Year awards. Plawski is current holder of high game record with 247. A few weeks back, he also accomplished a rare 200 "dutch."

In the Syosset Mixed league, Joan Bodensky is the top game title holder with 224; Monica Wojtyniak has high series honors with 600. Joe Cardello (241) and Eric Bunzel (617) share the spotlight in men's competition.

Mary Dieterle is a strong contender for top women kegler in the Grumman Gold this season. With an average of 137, she's been rolling well above that mark, and recently bowled a season high of 217-520. League secretary Fred Dick still hold's the top men's game and series record with 235-650.

On the Black league alleys, Jim Taffner's high game of 250 remains at the top of the list.

Hellcats ready for court tilt

The Grumman varsity basketball team is sharing first place in the L.I. Industrial Basketball league with the Nassau County Police. Both squads sport a three victory-no defeat record, but the Hellcats claim a slight edge in the standings. After all, they are the defending league champions.

In the season opener, Fairchild Republic surrendered to the Hellcats, 62-85. Five Grummanites scored in the double figures: Larry Tarvin, 22; Rich Washington, 12; Jim Heine, 10; Jim Cruthers, 10; and Fornd Farmer, 10.

With Washington and Heine both chipping in 15 points each, the hoopsters cranked up win number two by defeating LILCO, 103-68. Other high scorers were Tarvin and Larry Bates with 14 and 11 points, respectively.

In their latest court battle, the Hellcats once again broke through the '100' barrier, beating Chase Manhattan Bank, 102-80. Tarvin led the scoring attack with 22 points; Washington contributed 18 points.

Never too late

For the second year in-a-row, GAA is sponsoring a 12-week physical fitness program at the Charles Campagne School in Bethpage. Classes began last Tuesday, but it's never too late to begin. The last eleven sessions will be held every Tuesday evening from 5:30 to 8:30. For more information, call GAA on Ext. 2133 or 2269.

Announce varsity keglers

For four Saturday evenings at the Mid Isles Lanes in Hempstead, Grumman keglers have been competing for the 10 slots on the Grumman men's varsity squad. The starting five has yet to be determined, but of the 10 keglers that made the final cut, all but three are new faces.

Returning from last year's squad that placed a disappointing third in the company-sponsored L.I. Industrial Men's Tournament are Ernie Jenkins, Judge Locke, and Frank Fiorentino. At last year's tourney, Frank Fiorentino was honored as the "Outstanding" bowler of the tourney. By averaging 196 in the 12 game competition, he punished the pins for a total of 2,352.

As *Plane News* went to press, the 10 keglers were to roll for the five starting berths. Joe Glasser was leading the pack with a roll-off average of 193 and total pinfall of 4,625. Right behind him were: Fred Dick (4,557), Ernie Jenkins (4,555), Judge Locke (4,525), Charles Smith (4,491), Tom O'Connor (4,478), Grover Hart (4,455), Barry Kasin (4,454), Mike Greggo (4,452), and Frank Fiorentino (4,438).

The 35th Annual L.I. Industrial Men's Tourney will take place on four consecutive Saturday evenings, starting March 6 at 8 p.m. Sixteen industrial teams have entered, including last year's champion Pan Am, and two newcomers, Photocircuits and General Instruments.

Golfing tees off

You may not believe it, but the golf season is drawing near. Secretaries of all golf leagues should contact Mike Cherry (Ext. 2133 or 2269) to arrange starting schedules for the 1976 season. All Blue, Gray, and Tigercat league members should contact Cherry—whether you are planning to golf this season or not—so he can set up league pairings. Also, all those interested in joining golf leagues should contact Mike at the same numbers.

calendar

Aikido Club: every Mon. & Wed., 5:15 p.m., Pl. 35 cafe; guests welcome. Bob Bauman, x84636.

Alcoholics Anonymous: every Mon., 5 p.m., Pl. 39, classroom 1; closed mtgs. Personnel Relations, x3521.

American Institute of Industrial Engineers: Wed., March 10, 8 p.m., Hofstra Student Center, room 108; L.I. Chapter; guest speaker: Capt. Paul Krinsky, Academic Dean of U.S. Merchant Marine Academy at Kings Point—"The U.S. Merchant Marine—Organization & Management;" guests welcome. John Cosenza, x87501/Walter Fried, x6256.

Chess Club: every Tues., 5 p.m., Pl. 30 cafe; guests welcome. Pat Charovkine, x9387.

Coin Club (Calverton): every Fri., 1st lunch period, instrumentation conference room, Pl. 6; visitors welcome.

Duplicate Bridge Club: every Thurs., 6 p.m., Pl. 30 cafe; open competition; guests welcome. Hugh Montague, x3863/Erick Stern, x1294.

GACE Flying Club: 2nd Fri. of each month, 5 p.m., Pl. 28 auditorium; gen. mtg. & safety lecture; guests welcome. Larry Hahn, x1916.

Grumman Family Campers: Sun., March 7, 5 p.m., Pl. 3 cafeteria; local chapter; monthly mtg.; guests welcome. R. Mansbart, x86967.

Grumman Model Railroad Society: every Wed., 5:30-9:30 p.m., Model RR Bldg. (at Pl. 3 rr crossing); reg. mtg.; guests welcome. Ray Muntz, x87409.

Grumman Toastmasters Club: Wed., March 10, 5 p.m., Pl. 25, conference room IC; local chapter, reg. mtg.; guests welcome. Tom Smith, x87360.

IEEE Reliability Section: Wed., March 10, 7:30 p.m., PINY, Rte. 110, Farmingdale; guest speaker: Dr. W.P. Bishop, chief, waste management branch—"Nuclear Wastes—Options & Reliability;" guests welcome. H. Wolf, x2860/J. Drvostep, x2837.

Karate Club: every Mon., Tues., & Thurs., 5:30 p.m., Pl. 35 cafe; building character thru physical exercise & self-defense; guests welcome. Hy Dreksler, x86812.

obituaries

LOUIS ARGENTO of maintenance-Rearrangement, Plant 14, died January 31 at the age of 60. He had been with Grumman since 1959 and lived at 453 North Fulton Avenue, Lindenhurst.

GIACOMO COVAIS of Inventory Control, Plant 2, died February 3 at the age of 55. He had been with Grumman since 1965 and lived at 116 Artist Lake Drive, Middle Island.

FRANCIS E. FITZGERALD of Mech/Struct. Fluid Lab., Plant 43, died February 3 at the age of 64. He had been with Grumman since 1951 and lived at 8 Ostend Road, Island Park.

VICTOR E. LINDGREN of P/S Mechanical/Engineering Mgt., Plant 35, died February 7 at the age of 53. He had been with the company since 1956 and lived at 1839 Lenox Avenue, East Meadow.

JOHN EDWARD SMYTH of Product Support Resources Control, Plant 43, died February 7 at the age of 42. He had been with Grumman since 1969 and lived at 16 Rivera Lane, West Sayville.

DAVID J. WAGNER of Parts Paint, Plant 2, died February 7 at the age of 58. He had been with the company since 1943 and lived at 320 Broadway, Bethpage.

RONALD M. DZIEGELEWSKI of Food Service, Plant 30, died February 9 at the age of 37. He had been with the company since 1968 and lived at 186 9th Street, Hicksville.

CHARLES H. VANDERHOOF of Special Tool Design, Plant 2, died February 14 at the age of 61. He had been with Grumman since 1942 and lived at 2928 Marlboro Road, Oceanside.

Joining the gang. The Plant 6 F-14 Joining Station recently kicked off the 'Pride of Workmanship' program which was introduced at Grumman Aerospace last July to encourage 'doing it right the first time' resulting in a satisfied customer. The Joining Station is the 'pilot' department for Calverton Ops. 'Pride of Workmanship' is growing stronger throughout the production areas of the company. Plant 77, Stuart, Fla., reports that 'all systems are go.' Sub-Assembly and E-2C Wings (above) and F-14 Subs/ Outboard Beams (below) received their level one awards recently from Vice President Jim Zusi, director of Stuart Ops.

Calverton, Procurement head $88 million savings report

By bettering their cost-reduction goal of $1,050,000 for the last six months of 1975 by more than $5 million—a quintupling, in fact, the men and women of Calverton Operations placed near the top of the cost-reduction summary released recently by Motivational Programs. But that wasn't the largest cost-reduction total in Grumman Aerospace. Procurement Operations, with a six-month goal of $3½ million turned in reported savings of $15,983,162—not quite a quintupling, but a hefty amount indeed. Calverton finished the year with a grand total of nearly $11 million in cost savings, while Procurement ended '75 with total savings of nearly $21 million.

Operating departments within Grumman Aerospace are credited with "savings" when they can point to new ways of doing certain tasks that result in material savings or less hours required to do those jobs. In all, cost-reduction savings for the six-month span, July-December of '75, totalled $44,804,036, and for the entire year of 1975, $88,716,063.

Among others reporting significant increases over their July-December goals were: Administrative Services, $1,155,004 ($400,000); Configuration/Data Management, $922,321 ($500,000); Facilities Engineering, $4,048,311 ($500,000); Great River Operations, $587,258 ($320,000); Material Management, $1,581,306 ($468,000); Product Engineering, $8,390,338 ($5,000,000); Product Support, $2,492,394 ($1,397,000); Stuart Operations, $135,634 ($75,000).

Indonesia buys 4 amphibs

The Indonesian Air Force has ordered four more HU-16B Albatross amphibians for search-and-rescue and maritime reconnaissance missions. The contract, which includes spare parts, is being signed here by (L to R) Vice President Ed Zolkoski of Grumman International, shown with Pierre Frye, Secretary of Grumman International and international counsel for Grumman Corporation, and Walt Schnaderbeck, Far East area supervisor for Grumman Aerospace Field Service. The contract had been signed earlier in Jakarta by Marshal Saleh Basarah, IAF Chief of Staff.

About 20 years ago, Indonesia purchased eight of the amphibians from Grumman and several of them are still in service with that country. The four HU-16Bs recently purchased will be refurbished at Plant 77, Stuart, Florida, and delivered by the end of 1976 for service with Indonesia.

Mini-computer followers starting mutual aid club

Ready for the age of the microprocessor? Better be because it's already here.

A microprocessor is a computer operated on one or a few integrated circuit (IC) chips. Grumman advanced research labs are working with them now, so Grumman aircraft, space vehicles, test equipment, and business machines may soon be "microprocessed."

According to *Electronic Engineering Times*, there could be as many as one million computers in the home within the next five years. These microprocessors are becoming popular because of skyrocketing interest, plummeting prices ($239-$450), and because of their usefulness.

What can you get from a microprocessor?

Knowledge—an opportunity to learn about combined hard and software programming.

Fun—those kits available to make your color TV an electronic game center are based on mini-computers.

Automation—how would you like computer controlled burglar, fire and smoke alarms, heat and light systems, plus data storage and retrieval systems in your private castle?

Education—arithmetic and computer programming training is a specialty of minicomps.

A group of instructors in the Training and Development Department at Calverton is forming a microcomputer mutual aid and appreciation society. The club will meet to exchange ideas, technical news, hear guest speakers, help each other get started, and learn from one another's mistakes.

The club will meet on Tuesday, March 2, in the T&D trailers next to Plant 8, Calverton. If you have any questions, call Phil Burton at ext. 6925.

Tip for good health ...

(Continued from page 7)

guard against such diseases as cholera, typhoid, smallpox, and polio and a review of their entire medical history. All children are required to have health summaries from family pediatricians so that when clearance is given for the trip to Iran the entire medical history of each family member is sent along to Dr. Moshir-Fatamie, who represents Grumman in Iran.

Wherever it is necessary, special packages are made up for the worker with a variety of light medications, such as aspirin, etc., until the family can make contact with Dr. Moshir-Fatamie. In general, Jessup says the Medical Department practices preventive medicine and recommends immunization injections beyond those required by the Public Health System.

Whether a Grummanite is in Iran or the United States, Dr. Jessup and the staff of the Medical Department exhibit the same concern for his or her well being. Giving counsel and being present when needed is an important function of the department. If you feel you have a medical problem, they advise you to speak up and stay healthy.

GRUMMAN plane news

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